Section II - Soil and Site Information

Hydric Soil Interpretations For

Definition of Hydric Soil

A hydric soil is a soil that is saturated, flooded, or ponded long enough during the growing season to develop anaerobic conditions in the upper part. The following criteria reflect those soils that meet this definition.

Wetlands represent the collection of aquatic or semi aquatic habitats commonly referred to as marshes, swamps, and bogs. The U.S. Natural Resources Conservation Service, U.S. Fish and Wildlife Service, U.S. Army Corps of Engineers and the U.S. Environmental Protection Agency define wetlands by the presence of wetland vegetation (hydrophytes) and hydrology (degree of flooding and/or soil saturation) and by reference to wet soils (hydric soils). The prevalence of hydrophytes and the presence of wet soil reflect the long-term hydrology and therefore, are useful indicators of wetland. Some of the benefits of wetlands include, waterfowl breeding, habitat for waterfowl and other birds, flood control, water quality, shoreline stabilization and others.

If wetlands are identified as a critical resource, then a good first step would be to inventory the extent of hydric soils that were mapped in a soil survey.

It is important to remember that because of map scale very small areas of hydric soils are often not shown on the soil survey. The soil survey provides a general location of hydric soils; however, it is necessary that the exact wetland boundary be located in the field. When the boundary is not clear, consult with technical experts. The publications Hydric soils of New England and Federal Manual for Identifying and Delineating Jurisdictional Wetlands provide a more detailed discussion on hydric soils as well as on-site identification of wetland boundaries. Other sources of wetland information are the U.S. Fish and Wildlife Service, National Wetland Inventory Maps and the Maine Department of Environmental Protection Inland Wetland Maps.

Hydric Soil List

Hydric soils are developed under conditions sufficiently wet to support the growth and regeneration of hydrophytic vegetation. The listing available below includes phases of soil series that may or may not have been drained. Some soil series, designated as hydric, have phases that are not hydric depending on water table, flooding, and ponding characteristics.

The list will have a number of agricultural and nonagricultural applications. These include assistance in land-use planning, conservation planning, and assessment of potential wildlife habitat. An area that meets the hydric soil criteria must also meet the hydrophytic vegetation and wetland hydrology criteria in order for it to be classified as a jurisdictional wetland (See the "Corps of Engineers Wetlands Delineation Manual", 1987).

Hydric Soils List

Androscoggin And Sagadahoc Counties, Maine

The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation.

Map Symbol and Map Unit Name	Component	Hydric	Local Landform	Hydric Soils Criteria			
				Hydric Criteria Code	Meets Saturation	Meets Flooding Criteria	Meets Ponding Criteria
AaB: Adams loamy sand, 0 to 8 percent slopes	Adams	No	---	---	---	---	---
AaC: Adams loamy sand, 8 to 15 percent slopes	Adams	No	---	---	---	---	---
AaD: Adams loamy sand, 15 to 30 percent slopes	Adams	No	---	---	---	---	---
AbD: Adams very stony loamy sand, 5 to 20 percent slopes	Adams	No	---	---	---	---	---
AdA: Agawam fine sandy loam, 0 to 2 percent slopes	Agawam	No	---	---	---	---	---
AdB: Agawam fine sandy loam, 2 to 8 percent slopes	Agawam	No	---	---	---	---	---
AdC: Agawam fine sandy loam, 8 to 15 percent slopes	Agawam	No	---	---	---	---	---
AdD: Agawam fine sandy loam, 15 to 30 percent slopes	Agawam	No	---	---	---	---	---
B.P.: Borrow pits	Borrow Pits	No	---	---	---	---	---
BgB: Belgrade very fine sandy loam, 2 to 8 percent slopes	Belgrade	No	---	---	---	---	---
BgC: Belgrade very fine sandy loam, 8 to 15 percent slopes	Belgrade	No	---	---	---	---	---
Bo: Biddeford silt loam	Biddeford	Yes	Marine Terrace	2B3,3	Yes	No	Yes
BuB2: Buxton silt loam, 0 to 8 percent slopes, eroded	Buxton	No	---	---	---	---	---
BuC2: Buxton silt loam, 8 to 15 percent slopes, eroded	Buxton	No	---	---	---	---	---
CfB: Charlton fine sandy loam, 0 to 8 percent slopes	Charlton	No	---	---	---	---	---

Hydric Soils List - Continued

Androscoggin And Sagadahoc Counties, Maine

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Map Symbol and Map Unit Name	Component	Hydric	Local Landform	Hydric Soils Criteria			
				Hydric Criteria Code	Meets Saturation	Meets Flooding Criteria	Meets Ponding Criteria
CfC2: Charlton fine sandy loam, 8 to 15 percent slopes, erode	Charlton	No	---	---	---	---	---
CfD2: Charlton fine sandy loam, 15 to 25 percent slopes,	Charlton	No	---	---	---	---	---
ChB: Charlton very stony fine sandy loam, 0 to 8 percent slo pes	Charlton	No	---	---	---	---	---
ChC: Charlton very stony fine sandy loam, 8 to 15 percent sl opes	Charlton	No	---	---	---	---	---
ChD: Charlton very stony fine sandy loam, 15 to 25 percent s lopes	Charlton	No	---	---	---	---	---
Ck: Coastal beach	Coastal Beach	Yes	Beach	4	No	Yes	No
Du: Dune land	Dune Land	No	---	---	---	---	---
EmB: Elmwood fine sandy loam, 2 to 8 percent slopes	Elmwood	No	---	---	---	---	---
EmC2: Elmwood fine sandy loam, 8 to 15 percent slopes,	Elmwood	No	---	---	---	---	---
G.P.: Sand and gravel pits	Sand And Gravel Pits	No	---	---	---	---	---
Ha: Hadley silt loam	Hadley	No	---	---	---	---	---
HfB: Hartland very fine sandy loam, 2 to 8 percent slopes	Hartland	No	---	---	---	---	---
HfC2: Hartland very fine sandy loam, 8 to 15 percent slopes, eroded	Hartland	No	---	---	---	---	---
HfD2: Hartland very fine sandy loam, 15 to 25 percent slopes, eroded	Hartland	No	---	---	---	---	---

Hydric Soils List - Continued

Androscoggin And Sagadahoc Counties, Maine

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Map Symbol and Map Unit Name	Component	Hydric	Local Landform	Hydric Soils Criteria			
				Hydric Criteria Code	Meets Saturation	Meets Flooding Criteria	Meets Ponding Criteria
HkB: Hinckley gravelly sandy loam, 0 to 8 percent slopes	Hinckley	No	---	---	---	---	---
HkC: Hinckley gravelly sandy loam, 8 to 15 percent slopes	Hinckley	No	---	---	---	---	---
HkD: Hinckley gravelly sandy loam, 15 to 25 percent	Hinckley	No	---	---	---	---	---
HrB: Hollis fine sandy loam, 0 to 8 percent slopes	Hollis	No	---	---	---	---	---
HrC: Hollis fine sandy loam, 8 to 15 percent slopes	Hollis	No	---	---	---	---	---
HrD: Hollis fine sandy loam, 15 to 45 percent slopes	Hollis	No	---	---	---	---	---
HsB: Hollis very rocky fine sandy loam, 0 to 8 percent	Hollis	No	---	---	---	---	---
HsC: Hollis very rocky fine sandy loam, 8 to 15 percent	Hollis	No	---	---	---	---	---
HsD: Hollis very rocky fine sandy loam, 15 to 45 percent slo pes	Hollis	No	---	---	---	---	---
Lc: Leicester fine sandy loam	Leicester	Yes	Ground Moraine	2B3	Yes	No	No
Le: Leicester very stony fine sandy loam	Leicester	Yes	Ground Moraine	2B3	Yes	No	No
Lk: Limerick silt loam	Limerick	Yes	Flood Plain	2B3	Yes	No	No
Md: Made land, loamy materials	Made Land	No	---	---	---	---	---
MeB: Melrose fine sandy loam, 0 to 8 percent slopes	Melrose	No	---	---	---	---	---
MeC: Melrose fine sandy loam, 8 to 20 percent slopes	Melrose	No	---	---	---	---	---
Mf: Made land, sanitary fill	Made Land	No	---	---	---	---	---

Hydric Soils List - Continued

Androscoggin And Sagadahoc Counties, Maine

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Map Symbol and Map Unit Name	Component	Hydric	Local Landform	Hydric Soils Criteria			
				Hydric Criteria Code	Meets Saturation	Meets Flooding Criteria	Meets Ponding Criteria
MkB: Merrimac fine sandy loam, 0 to 8 percent slopes	Merrimac	No	---	---	---	---	---
MkC2: Merrimac fine sandy loam, 8 to 15 percent slopes,	Merrimac	No	---	---	---	---	---
MkD2: Merrimac fine sandy loam, 15 to 25 percent slopes, erod ed	Merrimac	No	---	---	---	---	---
NgB: Ninigret fine sandy loam, 0 to 8 percent slopes	Ninigret	No	---	---	---	---	---
On: Ondawa fine sandy loam	Ondawa	No	---	---	---	---	---
Pa: Peat and muck	Peat	Yes	Swamp	1,3	No	No	Yes
	Muck	Yes	Swamp	1,3	No	No	Yes
PbB: Paxton loam, 2 to 8 percent slopes	Paxton	No	---	---	---	---	---
PbC: Paxton loam, 8 to 15 percent slopes	Paxton	No	---	---	---	---	---
PbD: Paxton loam, 15 to 25 percent slopes	Paxton	No	---	---	---	---	---
PfB: Paxton very stony loam, 0 to 8 percent slopes	Paxton	No	---	---	---	---	---
PfC: Paxton very stony loam, 8 to 15 percent slopes	Paxton	No	---	---	---	---	---
PfD: Paxton very stony loam, 15 to 30 percent slopes	Paxton	No	---	---	---	---	---
Py: Podunk fine sandy loam	Podunk	No	---	---	---	---	---
QU.: Quarries	Quarries	No	---	---	---	---	---
RhC: Rock land-hollis soil material, 0 to 15 percent slopes	Rock Land	No	---	---	---	---	---

Hydric Soils List - Continued

Androscoggin And Sagadahoc Counties, Maine

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Map Symbol and Map Unit Name	Component	Hydric	Local Landform	Hydric Soils Criteria			
				Hydric Criteria Code	Meets Saturation	Meets Flooding Criteria	Meets Ponding Criteria
RhC: Rock land-hollis soil material, 0 to 15 percent slopes	Hollis	No	---	---	---	---	---
RhD: Rock land-hollis soil material, 15 to 45 percent slopes	Rock Land	No	---	---	---	---	---
	Hollis	No	---	---	---	---	---
S.L.: Stripped land	Stripped Land	No	---	---	---	---	---
Sa: Saco silt loam	Saco	Yes	Flood Plain	2B3,3,4	Yes	Yes	Yes
ScA: Scantic silt loam, 0 to 3 percent slopes	Scantic	Yes	Marine Terrace	2B3	Yes	No	No
So: Scarboro fine sandy loam	Scarboro	Yes	Outwash Plain	2B3,3	Yes	No	Yes
SuC2: Suffield silt loam, 8 to 15 percent slopes, eroded	Suffield	No	---	---	---	---	---
SuD2: Suffield silt loam, 15 to 30 percent slopes, eroded	Suffield	No	---	---	---	---	---
SxB: Sutton loam, 0 to 8 percent slopes	Sutton	No	---	---	---	---	---
SxC: Sutton loam, 8 to 15 percent slopes	Sutton	No	---	---	---	---	---
SyB: Sutton very stony loam, 0 to 8 percent slopes	Sutton	No	---	---	---	---	---
SyC: Sutton very stony loam, 8 to 15 percent slopes	Sutton	No	---	---	---	---	---
SzA: Swanton fine sandy loam, 0 to 3 percent slopes	Swanton	Yes	Marine Terrace	2B3	Yes	No	No
Tn: Tidal marsh	Tidal Marsh	Yes	Salt Marsh	2B3,3	Yes	No	Yes
W: Water	Water	Yes	Lake	---	---	---	---

Hydric Soils List - Continued

Androscoggin And Sagadahoc Counties, Maine

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				Hydric Criteria Code	Meets Saturation	Meets Flooding Criteria	Meets Ponding Criteria
Wa: Walpole fine sandy loam	Walpole	Yes	Outwash Plain	2B3	Yes	No	No
Wg: Whately fine sandy loam	Whately	Yes	Marine Terrace	2B3,3	Yes	No	Yes
Wh: Whitman loam	Whitman	Yes	Ground Moraine	2B3,3	Yes	No	Yes
Wn: Winooski silt loam	Winooski	No	---	---	---	---	---
WrB: Woodbridge loam, 0 to 8 percent slopes	Woodbridge	No	---	---	---	---	---
WsB: Woodbridge very stony loam, 0 to 8 percent slopes	Woodbridge	No	---	---	---	---	---